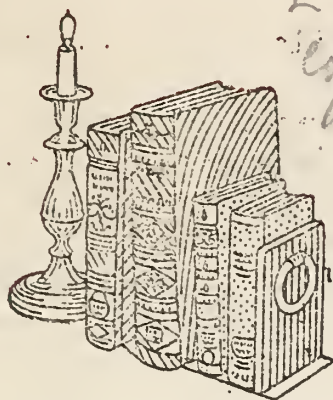


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LIBRARY NEWSLETTER

U. S. DEPARTMENT OF AGRICULTURE

LINCOLN BRANCH
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Vol. 9, no.1
January 1950

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Ext. 336

"It is not wide reading but useful reading
that tends to excellence."

NEW BOOKS IN YOUR BRANCH LIBRARY

ELEMENTS OF APPLIED HYDROLOGY, by Don Johnstone and Wm. P. Cross. 276 p.
Ronald press, 1949. 292 J65

"The importance to engineers of a working knowledge of the occurrence and movement of water upon and beneath land areas is stressed in this book... flood control, pollution abatement, erosion control, irrigation and power and water supply as related to structures engineers are called upon to build." - American forests, August 1949.

"The authors state: 'Our twin objectives have been, (1) To set forth some of the fundamentals of the subject, and (2) To encourage an analytical approach to the solution of engineering problems in general. Phases of the hydrologic cycle are illustrated. Standard methods of collecting and presenting precipitation and runoff data are described, followed by a discussion of the more important relationships between these segments of the hydrologic cycle.'" - Journal of forestry, August 1949.

"I consider this the most practical new hydrology text." - W.L.Cowan(SCS)

FARM WORK SIMPLIFICATION, by Lawrence M. Vaughan and L. S. Hardin. 145 p.
Wiley, 1949. 283 V46

This book deals primarily with methods of simplifying farm work which may result in savings of time, energy or cost, or any combination. The authors say that farm work simplification involves studying and improving work methods in order to get more and better work done in less time and with less effort. The objective is to help make better use of available labor, materials and equipment. The results of research studies and pertinent data on most crops and farming practices are included. The variety of topics ranges from dairy chores to hay harvesting.

"Part I is for the farmer, Part II for the research worker and teacher. The book is highly condensed, timely and informative." - USDA, Nov. 21, 1949.

MEAT TECHNOLOGY; A PRACTICAL TEXTBOOK FOR STUDENT AND BUTCHER; by Frank Gerrard. 304 p. Leonard Hill, 1947. 50 G323M

The latest information on the subject is given. The sections on anatomy are intended to deal briefly with those portions with which the butcher is concerned in his daily craft. There are chapters on livestock breeds, slaughter, carcass quality, meat preservation and meat cutting.

NEW YEARS RESOLUTION: More and wider reading to do a better job!

NORTH AMERICAN WATERFOWL, by Albert M. Day. 329 p. Stackpole and Heck, 1949.
413 D33

The author is director of the U.S. Fish and wildlife service. He writes of the lush days of early America, the period of wholesale slaughter and of the present. In a fascinating account, he goes into detail about what is behind bird banding, the Flyway concept and other conservation measures such as the sanctuary idea, the refuge system and other regulations. He gives the truth about the Mexican waterfowl hunting situation, Canadian waterfowl conservation, our own national and local programs. It is a not-too-optimistic picture of the status of wild fowl conservation in the United States today, and the history of such conservation.

READINGS ON AGRICULTURAL POLICY, by Oscar Bernard Jesness. 470 p. Blakiston, 1949. 281.12 J49R

"A worthwhile volume... All of us in Agriculture should find certain sections of interest and value." - John Muehlbeier, BAE.

Parity, price supports, income payments, land policies, conservation, rural population and living are a few of the many subjects discussed, all of which are the basis of a sound agricultural policy. Here, in one volume are ideas from a wide range of authoritative sources. This book will be an invaluable reference for all students of farm problems. It is of interest not only to the professional agricultural economist and his colleagues in related fields but also to every citizen concerned with this important segment of public policy.

SOIL, FOOD AND HEALTH, ed. by Jonathan Forman. 342 p. Friends of the Land, 1949. 279.12 F76

"In this well-written, interesting and educational volume, Friends of the Land, a nation-wide society for propagation of information and action concerning the conservation of soil and water, has brought together in one volume a series of articles with the theme 'We are what we eat.' The book is in reality, the proceedings of the seventh conference of the Friends of the Land, with an introduction by Louis Bromfield and background material by members of the society. Articles cover water, trees, soil, atomic energy, plants, farm animals, human nutrition and the future of the human race. The book contains not only factual data but also stimulating reading for those interested in preserving the American way of life." - Fertilizer review, July - August, 1949.

SOIL MECHANICS IN ENGINEERING PRACTICE, by Karl Terzaghi. 566 p. Wiley, 1948. 290 T27S

Part A contains a condensed account of the physical properties of soils. The tests used to identify soils, the hydraulic and mechanical properties of soils, and the physical processes involved in soil drainage - all are described in the light of the latest research. Part B presents in simple language all the theories which are needed to solve the most common practical problems; they deal with the conditions for the equilibrium of soil, the settlement of structures and the interaction between soil and water.

Part C shows just how much help soil mechanics can give you in your particular job. It correlates the information given in Parts A and B with construction experience and develops rules for design and construction based partly on this information and partly on field experience. Conventional practices are appraised or replaced by more reliable procedures. The book was prepared in such a manner that readers with practical experience in foundation engineering may start reading Part C dealing with applied soil mechanics and turn to the preceding parts for reference only.

TITANS OF THE SOIL, GREAT BUILDERS OF AGRICULTURE, by Edward J. Dies. 213 p. University of North Carolina press, 1949. 119 D563

This book tells the story of 17 men - scientists, explorers, inventors such as Deere and McCormick, and conservationists such as Washington and Jefferson - and their outstanding contributions to American agriculture. The stories of corn and wheat are told in the lives of Shull and Carleton; that of soil chemistry in the life of E. R. Ruffin. Here is not a gloomy picture of starvation through overpopulation but "A bright future of plenty through scientific agricultural expansion."

WILDLIFE FOR AMERICA, by Edward H. Graham and Wm. R. Van Dersal. 109 p. Oxford university press, 1949. 412.9 G76

"This interesting and well illustrated book was written by (two employees) ...of the Soil conservation service. It tells the story of wildlife on this continent from its early abundance to its near depletion some decades ago, and points the way to greater populations for the future through proper land-use practices. The economic, as well as the recreational values, of wildlife are highlighted in this important contribution to conservation literature." - Conservation news, July 15, 1949..

WOODY-PLANT SEED MANUAL, prepared by the U.S. Forest service. U.S.D.A. Misc. Pub. no.654, 416 p. 1948. 1 Ag84M no.654.

The need for information on seed handling of North American species became acute after the planting of shelter belts was begun on a large scale in the Prairie-Plains region, large-scale revegetation was undertaken by the Soil Conservation Service in erosion control, and planting of shrubs and trees became widespread in connection with the growing activities of wildlife management. In this manual, the Forest Service has collected the best information on all phases of seed handling as a guide to the most effective and economical seed and reforestation practices. The publication is well bound and fully illustrated with photographs and line drawings.

RECENT PAMPHLET MATERIAL

MISCELLANEOUS

Agricultural finance review, farm credit, farm insurance, farm taxation, farm construction. U.S. Bur. of Agr. Econ. Vol. 12, 1949. 1.9 Ec78Af 1949
Determination of rutin in plant materials. U.S. Bur. of Agr. and industrial chemistry. AIC-236, 7 p. 1949. 1.932 A2Ag82 no.236
Essentials of rural welfare, an approach to the improvement of rural well-being. 43 p. Food and agriculture organization of the U. N. 1949. 281.2 F732
Food and agriculture organization of the U. N. Commodity series. 389.9 C735Cs no.15. Animal feedstuffs. 1949.
no.16. Dairy products. 1949.
Fruits and nuts bearing acreage 1919 - 1946. U.S. B.A.E. CS-32, 39 p. 1949. 1.9422 A8C732 no.32
Graphic summary of world agriculture. U.S.D.A. Misc. Pub. no.705, 51 p. 1949. 1 Ag84M no.705 (Includes 30 maps.)
Hunger vs. science in the world today, by R. E. Moore. 8 p. 1949. 1.943 M78
"Talk...before the North Atlantic Section meeting of the American society of agricultural engineers, Pennsylvania State College, September 9, 1949."

GIVE LIBRARY CALL NUMBER FOR PROMPT IDENTIFICATION.

USE THE HANDY AD-245 REQUEST FORM.

Land market activity in fifteen Northern Great Plains counties, April-March 1948-49, by Philip W. Van Vlack. 10 p. 1949. 1.941 L2L222 (RAE, Ames, Ia.)
 Land values and the land market in North Dakota, by Rainer Schickele and Reuben Engelking. N.D. Agr. Expt. Sta. Bul. 353, 48 p. 1949. 100 N813B
 Origin, structure, and functions of the U.S. Dept. of agriculture. Rev. 1949. 23 p. 1.914 A2Or4 Issued by U.S.D.A. Office of information.
 Pre-peeled potatoes for commercial use. U.S. Bur. of Agr. and Ind. chemistry. AIC-246, 14 p. 1949. 1.932 A2Ag82 no.246

RANGE MANAGEMENT

An all-year pasture system for Missouri. Missouri. Agr. Expt. Sta. Cir. 335, 11 p. 1949. 100 M693(c) no.335
 Bibliography on vegetation survey methods, comp. by A. A. Beetle and John Reed, University of Wyoming. 14 p. n.d. and Supplement, by A. A. Beetle. 5 p. Wyo. Agr. Expt. Sta. Wyoming range management no.9. 1949. 60.19 W99 no.9
 Relation of grazing to runoff and erosion on bunchgrass ranges. U.S. Rocky Mt. For. and Range Expt. Sta., Research note no.7, 2 p. 1949. 1.9622 R2R313
 Results of preliminary tests of pelletized crested wheatgrass seed, by E. W. Stevenson. U.S. Pacific Northwest For. and Range Expt. Sta. Research note no.53, 7 p. 1949. 1.9 F7629F no.53
 Selected bibliography of range management literature published in 1948, by G. A. Harris. 14 p. Missoula, Montana, 1949. Pam.Col. Bibliog. Range mgt.
 Wyoming range management. 5 issues. 1949. Wyo. Agr. Expt. Sta. 60.19 W99 no.13. Wyoming's water resources, by H. T. Person. 9 p.
 no.14. Some of the factors to consider in the purchase or rental of land as it applies to range management, by Walter F. Dolling. 4 p.
 no.15. Mechanical treatments on Wyoming range land, by O. K. Barnes. 3 p.
 no.16. 1949 data from the Wyoming Agr. Expt. Sta. Grass nurseries. 3 p.
 no.17. Presenting both sides of the forest grazing controversy. 6 p.

PERIODICAL NOTES

Conservation of our soil resources, by Wilfred M. Schutz, Eustis, Nebraska. Winner of National essay contest by American plant food council and the National Grange. American fertilizer 3(10): 8, 26. November 12, 1949.

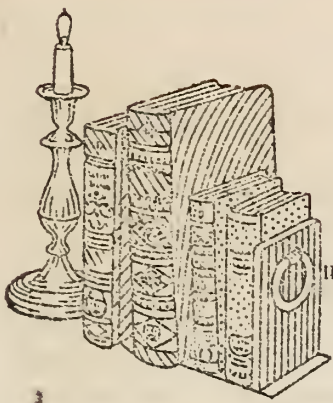
National Association of Soil Conservation Districts. Information letter. irr.
 This periodical is being received in the library. If you wish to see a copy on loan or be placed on circulation regularly, notify the library.

Proper study of mankind, by Stuart Chase. (280 C38Fm) This book received the following mention in Personnel administration, Sept. 1949: "An inquiry into the science of human relations. Guide-lines offered by anthropology, psychology and sociology in tackling the day-by-day problems of living. Explores the possibilities of applying the scientific method to the problems of human relations, and reviews some of the landmarks and achievements of the scientific approach, and its implications for the future of civilization."

Tall wheatgrass comes to the Platte Valley, by Laird G. Wolfe (SCS). Seed world, Dec. 2, 1949, p.8-9.

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Marie L. Gould, Librarian



LIBRARY NEWSLETTER

U. S. DEPARTMENT OF AGRICULTURE

LINCOLN BRANCH
Rm. 313 Rudge & Guenzel Bldg.

Vol. 9, no.2
February 1950

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NEW BOOKS IN YOUR BRANCH LIBRARY

AUTHORITY IN TVA LAND, by W. V. Howard. 186 p. Glenn, 1948. 280.002 H83

This book is an attempt to appraise TVA as it is today. Its purpose is to show how a Regional or Valley Authority actually operates; which may differ widely from the way in which its supporters or opponents say it operated. The author is a geologist, not connected with any power or transportation interests. The book is interesting in this region in view of proposed "authority" in the Missouri Basin.

BREEDING LIVESTOCK ADAPTED TO UNFAVORABLE ENVIRONMENTS, by R. W. Phillips. Food and agriculture organization of the United Nations. FAO agricultural studies no.1, 181 p. Washington, 1949. 28 F73 no.1

This volume has been prepared to call attention to the importance of the problem of the adaptability of animals to the environment under which they live and produce. It must be given careful consideration in all attempts to expand and improve livestock production. The author summarizes important work that has been done in various parts of the world to determine the reactions of animals to their environment and to develop animals adapted to specific conditions. The inherent adaptability of animals to various environments is stressed.

CRISSCROSS TRAILS, NARRATIVE OF A SOIL SURVEYOR, by Macy H. Lapham. 246 p. 1949. 120 L312

"A quaint but fascinating and readable book about his experiences, as a fitting tribute to Soil Survey's 50-year anniversary. Here is an unpretentious historical record of the organization and development of the Soil survey, Bureau of Plant Industry, Soils and Agricultural Engineering, with a foreword by its chief, Charles E. Kellogg, interlarded with associated personal observations and incidents. We recommend it unreservedly to all who are interested in this activity. Mr. Lapham and Soil Survey entered USDA together in 1899, and you will find in the book many savory reminiscences regarding the Department's history, too." - USDA Nov. 21, 1949.

GREEN GLORY; THE FORESTS OF THE WORLD, by Richard St. Barbe Baker. 253 p. Wyn, 1949. 99 B172G

"Mr. Baker, with first-hand knowledge of the subject, has written a most useful guide to the world's forest resources and their importance to men... Forested areas can be placed on a sustained yield basis. Green glory will make a real contribution to an understanding of this fact, and ultimately of the devastation of the land which results from deforestation." - F. Osborn author of Our plundered planet. This is not just a book for tree lovers. It is for everyone concerned with the welfare of our planet and the conservation of our resources.

PROFESSIONAL OPPORTUNITIES IN THE WILDLIFE FIELD, by David B. Turner. 208 p.
Wildlife Management Institute, 1948. 275 T85

This book is the result of the most exhaustive study ever made of the educational and professional opportunities in the wildlife field. Employment requirements of hundreds of state, federal and private conservation organizations in the United States and Canada and data on all educational institutions in North America giving courses in this field are included. The material has been organized carefully for ease in locating specific references. The volume contains all essential information concerning the curricula in wildlife and fishery management of the various educational institutions. It is recommended to all those concerned with wildlife education.

THE RESEARCH PAPER; GATHERING LIBRARY MATERIAL; ORGANIZING AND PREPARING THE MANUSCRIPT, by Lucyle Hook and Mary V. Gaver. 64 p. Prentice-Hall, 1948.
200.4 H76 1948

This guide to research tells how to use library reference books, the card catalog, periodical indexes, encyclopedias, dictionaries, etc. The authors tell how to prepare a working bibliography, a preliminary outline and card notes. The book is illustrated with sample cards. There are instructions on writing the rough draft and completing the paper. All research workers will find this manual helpful in the preparation of technical and research papers.

STORY OF MAN IN YELLOWSTONE, by M. D. Beal. 320 p. Caxton, 1949. 138 B36S

Complete history of our first national park from the first vague rumors of this strange wonderland down to the present day. It is valuable for the picture of early conditions in this area. The author tells of early visits by white men, especially John Colter, reputedly the first, whose route in 1807 is given in a special appendix. Later expeditions are extensively dealt with as are the development of the Park, the Indians and early trapping. The book is illustrated with maps, drawings and photographs.

TODAY'S AGRICULTURE, by Carsie Hammonds and Ralph H. Woods. 3d ed. 522 p.
Lippincott, 1949. 30.2 H18 Ed.3

"This book presents agriculture and rural life from the standpoint of developing an appreciation of agriculture as a group of vocations in which human beings engage, and as an industry basic to the welfare of the nation, rather than as a guide to producing crops and animals." - The preface.

The authors felt that all people should understand the significance of agriculture to our well-being, that the interests of society may be preserved. The sections include: How farm and urban interests are related, Deciding on an agricultural vocation, Adequate education of farm people, Attractive, convenient and healthful farm homes and surroundings, Science and nature related to farming.

TRANSACTIONS OF THE FOURTEENTH NORTH AMERICAN WILDLIFE CONFERENCE. 638 p.
Wildlife Management Institute, 1949. 412.9 N814 14th, 1949

The theme of the conference was "Today's problems - Tomorrow's tragedies?" Reports made by employees of the Forest Service and Soil Conservation Service will be of interest to others in those agencies. You will also want to read the paper by William Vogt, author of Road to survival, An ecological view of land use policy. There is a thought provoking section on What's new in management. Nebraskans notice the article by Paul T. Gilbert, Executive Secretary, Game, Forestation and Parks Commission, Lincoln, Nebr., on Benefits of rural conservation education from the viewpoint of the state conservation administrators.

U.S.A., MEASURE OF A NATION; A GRAPHIC PRESENTATION OF AMERICA'S NEEDS AND RESOURCES, by the Twentieth Century Fund. 101 p. Macmillan, 1949. 28Q.12 T912U

"This book is designed so that the reader can find out, with the least possible effort, just what we Americans have produced over the past hundred years to meet our needs for food, houses, clothing, medical care - and all our other major wants... designed also to give him a high-spot knowledge of the resources - national riches, manpower and machines - which we have used to meet our needs. And finally, he can find out what would be needed in 1960 if we did enough better to give us all at least a decent living." - Foreword.

PERIODICAL NOTES

"Crop controls or bankruptcy" That's the choice facing nation's farmers, PMA committeemen claim, by Homer Hush. Wallace's farmer p.8, December 17, 1949.

The message from the President of the United States - The budget for 1951 (H. Doc. no.405) is reported in the Congressional record, January 9, 1950.

Potash news letter for Midwest territory. A periodical published monthly by the American Potash Institute, inc., Lafayette, Indiana. Quotations from publications of Extension Services, Canada Dept. of agriculture; on soil and crop management, fertilization. J.C.Fox, SCS, says: "This is excellent material which should be of importance to farm planners". Available for circulation. Would you like to borrow a copy to examine?

Seed trade buyers guide 1950 is the annual directory received with the Seed world subscription for your use. 225 Se3 1950

Surveyors with wings, by Ralph H. Moyer. Marketing activities Nov. 1949. This is an article on photographic mapping of the land from the air. In the same issue is an informative and readable article on the newest old crop - the safflower. These and other articles were mentioned in USDA, Jan. 16, '50. The periodical Marketing activities is available for loan or circulation.

RECENT PAMPHLET MATERIAL

CONSERVATION

Last storms come from the poorer lands, by H. H. Finnell (SCS). U.S.D.A.

Leaflet no.260, 8 p. 1949. 1 Ag84L no.260

Grass waterways, by H. H. Gardner, SCS, and Edwin Freyburger, SCS, U.S.D.A.

Leaflet no.257, 8 p. 1949. 1 Ag84L no.257

Grasses and legumes for soil conservation in the Pacific Northwest. U.S.D.A.

Misc. Pub. no.678, 56 p. 1949. 1 Ag84M no.678

Streambank plantings for erosion control in the northeast: U.S.D.A. Leaflet

no.258, 8 p. 1949. 1 Ag84L no.258

Use the land and save the soil, by R. H. Musser, SCS, U.S.D.A. PA-71, 16 p.

1949. 1 Ag84Pro no.71

FARMING

Changes in American farming. U.S.D.A. Misc. Pub. no.707, 75 p. 1949. 1 Ag84M

Comparison of skeletal and fleshing development in three types of domestic turkeys. N. D. Agr. Expt. Sta. Bul. 355, 50 p. 1949. 100 N813B no.355

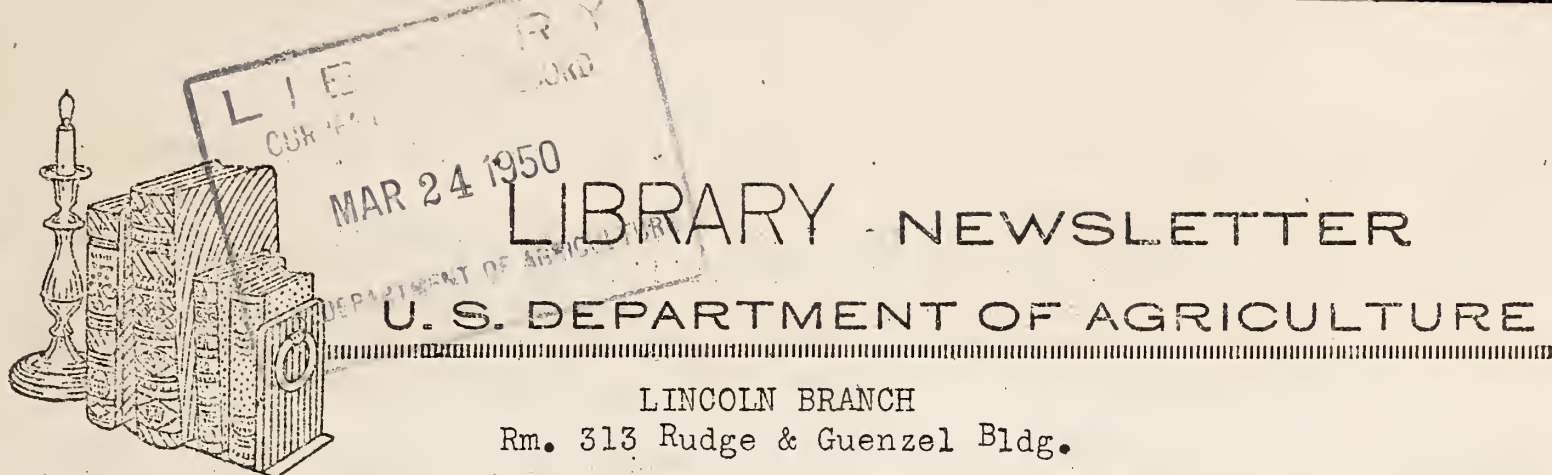
- Experiments in rearing calves without whole milk and with limited amounts of skim milk. U.S.D.A. Cir. no.822, 31 p. 1949. 1 Ag84C no.822
- Farm land development: present and future, by clearing, drainage, and irrigation. U.S.D.A. Cir. no.825, 67 p. 1949. 1 Ag84C no.825
- Farm land ownership in the United States. U.S.D.A. Misc. Pub. no.699, 77 p. 1949. 1 Ag84M no.699
- Grain production and marketing. U.S.D.A. Misc. Pub. no.692, 78 p. 1 Ag84M
- Grain seed treatment in Kansas. Kansas. Ext. Serv. Cir. 216, 8 p. 1949. 275.29 K13Ex no.216.
- Growing alfalfa. U.S.D.A. Farmers' Bul. no.1722, 33 p. Rev. 1949. 1 Ag84F
- How to build a farm pond. U.S.D.A. Leaflet no.259, 8 p. 1949. 1 Ag84L
- How to select a sound horse. U.S.D.A. Farmers' Bul. no.779, 22 p. '49. 1 Ag84F
- Irrigation farmers reach out into the dry land. Mont. Agr. Expt. Sta. Bul. 464, 36 p. 1949. 100 M76(b) no.464
- Preliminary bibliography on rural housing and farm service buildings. U.S.D.A. Library. Library list no.51, 159 p. 1949. 1.916 L612 no.51
- Social security and related insurance for farm people, an annotated bibliography of selected references. U.S.D.A. Library. Library list no.50, 25 p. 1949. 1.916 L612 no.50
- Test demonstration farms point the way to more fertile soils, more improved crops, more productive livestock and better living for the Wisconsin farm family. Wis. Ext. Serv. Stencil Cir. 293, 16 p. 1949. 275.29 W75B
- Toxaphene applications to alfalfa for the study of residues and their effects on livestock. Mont. Agr. Expt. Sta. Bul. 431, 26 p. 1949. 100 M76(b)
- Using credit to finance farmhouse improvements. U.S.D.A. Misc. Pub. no.701, 13 p. 1949. 1 Ag84M no.701
- Weight and gain of range calves as affected by rate of stocking. Mont. Agr. Expt. Sta. Bul. 463, 26 p. 1949. 100 M76(b) no.463
- Will more forage pay? Economic aspects of using more pasture and forage on farms U.S.D.A. Misc. Pub. no.702, 90 p. 1949. 1 Ag84M no.702
- Your farmhouse...heating. U.S.D.A. Misc. Pub. no.689, 24 p. 1949. 1 Ag84M

FORESTRY

- Derived products and chemical utilization of wood waste. U.S. Forest service. Forest products Lab. Rept. no.R1666-10, 10 p. 1949. 1.9 F761R
- Forest utilization in the transitional stage. Duke university. School of forestry. Lectures no.8, 28 p. 1949. 99.9 D88S no.8
- List of publications on logging, manufacture and utilization of timber, lumber, and other wood products. U.S. Forest service. Forest products laboratory. no.R790, 17 p. Rev. 1949. 1.9 F761R
- List of publications on mechanical properties and structural uses of wood and wood products. U.S. Forest service. Forest products laboratory. no.R200, 48 p. Rev. 1949. 1.9 F761R

HOME ECONOMICS

- Breakfast meal in relation to blood-sugar values. U.S.D.A. Cir. no.827, 24 p. 1949. 1 Ag84C no.827
- How to use whole and nonfat dry milk. U.S.D.A. A IS-86, 32 p. 1949. 1 Ag84Ai
- Lespedeza in Kansas. Agr. Expt. Sta. Cir. 251, 19 p. 1949. 100 K13Sc
- Preserving foods by freezing. Kans. Agr. Expt. Sta. Cir. 249, 79 p. 1949. 100 K13Sc
- Refinishing furniture. Kans. Ext. Serv. Cir. 215, 20 p. 1949. 275.29 K13Ex
- Sirup treatment of apple slices for freezing preservation. U.S. Bur. of Agr. and industrial chemistry: AIC-253, 4 p. 1949. 1.932 A2Ag82 no.253



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March 1950

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NEW BOOKS IN YOUR BRANCH LIBRARY

INSECT ENEMIES OF EASTERN FORESTS, by F. C. Craighead. U.S.D.A. Misc. Pub. no.657, 679 p. 1950. 1 Ag84M no.657

This publication is a companion volume to Misc. Pub. 273, Insect enemies of Western forests. Its purpose is to treat in a practical manner the more important forest insects of that part of the United States lying east of the Great Plains or treeless areas, roughly the 100th meridian. There is necessarily some overlapping of the eastern and western regions, particularly along the watercourses traversing the Great Plains where the eastern hardwoods extend westward.

IRRIGATED SOILS, THEIR FERTILITY AND MANAGEMENT, by D. W. Thorne and H. B. Peterson. 288 p. Blakiston, 1949. 56.7 T393

With an ever-increasing population, the world is turning to further development of irrigation in the semi-arid and arid lands which comprise over half of the earth's land surface. Today more than half of the world's population is dependent on food produced under irrigation. Useful to those giving technical advice to farmers on the management of irrigated soils, SCS especially. There is a valuable summary of acreages of irrigated lands and of the problems of irrigation agriculture throughout the world. The book includes chapters on such topics as: Plant relations to saline and alkali soils, Irrigation practices for various crops, Drainage, Control of the biological properties of the soils, Principles of fertilizer practice, Soil management around the home. There is a glossary, and a bibliography at the end of each chapter.

MANUAL OF CULTIVATED PLANTS, by Liberty Hyde Bailey. 1116 p. Rev. ed. Macmillan, 1949. 454 B15 1949

The text has been completely revised and very much expanded to include new facts and current nomenclature. Its purpose is to provide a ready means for the identification of species of plants usually domestic in the continental United States and Canada. Diagnoses, with full keys, of the species grown for food, ornament, utility, and general interest, both in the open and under glass, compose the main body of the work. Fruits, grains, grasses, vegetables, greenhouse plants, ornamental shrubs and plants, and garden flowers are included. In addition there are explanations of more than 1,000 botanical terms, a list of authorities responsible for the Latin binomials, a key to the 194 natural families contained in the book, and 195 line drawings showing plant structures in detail. All who are interested in the close identification of plants will find this book invaluable.

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PLANT AND SOIL WATER RELATIONSHIPS, by Paul J. Kramer. 360 p. McGraw-Hill, 1949. 463.3 K86

The author discusses the factors which affect the absorption of water by plants. These factors include the availability of soil moisture, the development of efficient root systems, the nature of the absorption process, the relation between the absorption of water and the absorption of minerals, and the relation between water absorption and other plant processes.

PRODUCTION AND WELFARE OF AGRICULTURE, by Theodore Wm. Schultz. 225 p. Macmillan, 1949. 281.12 Sch82Pr

The author says of these studies of American agricultural policy: "I try to untangle the economic strands of that policy. I endeavor to isolate and make explicit the objectives that have guided policy since World War I, and to indicate the stress that has been placed upon equality for agriculture, income, prices and upon the family farm as a social and economic institution." In view of the current interest in the Brannan plan, the chapter on The Brannan approach to farm prices is timely. The last quarter of the book is on International economic relations.

THERMAL PROPERTIES OF SOILS, by Miles S. Kersten. Minnesota. University. Engineering Expt. Sta. Bul. no.28, 227 p. 1949. 290.9 M662 no.28

"This report presents the results of an investigation to determine the thermal properties of a variety of soils and insulating materials. The purpose of the study was to determine under varying conditions of temperature, moisture, bulk density and composition, the thermal properties of representative soils and organic material (the majority) from Alaska. Also, to aid in the study of mineral composition, some crushed rock materials and pure quartz sands were obtained from various local sources." - Introduction. Of interest to engineers and soil specialists.

WHO'S WHO IN AMERICA. A biographical dictionary of notable living men and women. Vol. 26, 1950-1951. 3347 p. A. N. Marquis, 1950. 119 W623
Available for reference only.

WRITTEN WORD - HOW TO WRITE READABLE PROSE, by Gorham Munson. 285 p. Creative press, 1949. 200.4 M92

"This book is different. That is said about many books (but the editor of USDA says that in this case) it simply expresses the truth. If you want to write better for any purpose at all you should read this book. It is superior to, more practical than, and far different from any other such book the editor of USDA has ever seen in a long career of indifferent free-lance writing. We go overboard - we simply cannot recommend it too highly, probably because it insists that you must learn to write, you cannot be taught." - USDA Aug. 29, 1949.

SUPERVISORS - Please note!

TRAINING EMPLOYEES, by George D. Halsey. 263 p. 1949. 249.3 H16T

Just want to remind you that we have this book in Lincoln Branch. The Forest Service thinks it so valuable they are providing each regional personnel office with a copy. Have you read it?

RANGE RESEARCH HI-LITES. issued monthly by the U.S. Northern Rocky Mountain Forest and Range experiment station. Tips on the latest experiments and discoveries in range management. Available for loan or circulation.

RECENT PAMPHLET MATERIAL

FARMING

- Bean diseases and their control. U.S.D.A. Farmers' Bul. no.1692, 38 p. Rev. 1949. 1 Ag84F no.1692 Rev.
- Efficiency studies of Utah dairy pastures. Utah. Ext. Serv. Ext. Bul. 188, 23 p. 275.29 Utl no.188
- Factors affecting the efficiency of the mechanical corn picker. Nebr. Agr. Expt. Sta. Bul. 394, 32 p. 1949. 100 N27(b) no.394
- Farm production practices, costs and returns. U.S.D.A. Statistical Bul. no.83, 115 p. 1949. 1 Ag84S no.83
- Handling, storage, transportation and utilization of potatoes, a digest of information on the subject published mostly from 1938 to 1948. U.S.D.A. Bibliographical Bul. no.11, 1949. 1 Ag84Bi no.11
- Indexes of prices paid by farmers for commodities, and of prices paid, interest and taxes, 1910-49. 7 p. 1949. 1.941 F8In2 1949
- Irrigated pastures, by K. H. Klages and others. Idaho. Ext. Bul. no.174, 14 p. 275.29 Id13(b) no.174
- Legumes and grasses for silage, a report of experiments. Illinois. Agr. Expt. Sta. Bul. 529, 27 p. 1948. 100 Il6S(b) no.529
- Modern milking and management. Wyo. Agr. Expt. Sta. Cir. 36, 12 p. 1949. 100 W99(c) no.36
- New Kansas strawloft laying house for large flocks. Kans. Ext. Serv. L-2, folder. 1949. 275.29 K13La no.2
- Point your farm to balanced production. Kans. Ext. Serv. Cir. 200, 21 p. 1948. 275.29 K13Ex no.200
- Production costs on selected dryland grain farms. Mont. Agr. Expt. Sta. Min. Cir. 52, 20 p. 1949. 100 M76M no.52
- Stubble mulch management for water conservation and erosion control on hard-lands of the Southern Great Plains. Texas. Agr. Expt. Sta. Bul.711, 15 p. 1949. 100 T31S(b) no.711
- Sweet clover management in a pasture system, by C. A. Helm. Missouri. Agr. Expt. Sta. Cir. 323, 8 p. 1948. 100 M693(c) no.323

FORESTRY

- Materials to help teach forest conservation. U.S. Forest service. K-28, 5 p. 1949. 1.9 F76MT
- Pelleted seed for reforestation, by Paul O. Rudolf. U.S. Forest service. Lake states for. Expt. Sta. 20 p. 1949. 1.9622 L2P36
- Summary of forest plantings in the United States, fiscal year 1949. U.S. Forest service. Div. of cooperative forest management. 5 p. 1949. 1.962 C5Su6

MISCELLANEOUS

- Agricultural estimating and reporting services of the U.S.D.A. Misc. pub. no. 703, 266 p. 1949. 1 Ag84M no.703
- Alfalfa dehydration industry in Nebraska, by A. F. Dombrowski. Nebr. Univ. Col. of Business admin. Bus. Res. Bul. no.53, 56 p. 1949. State file. Nebr.
- An analysis of speculative trading in grain futures. U.S.D.A. Tech. Bul. no. 1001, 134 p. 1949. 1 Ag84Te no.1001
- Chemical composition of various wheats and factors influencing their composition. U.S.D.A. Tech. Bul. no.995, 33 p. 1949. 1 Ag84Te no.995
- Chemicals for farming. Kans. State board of agriculture. Report no.291, 34 p. 1949. 2 K13R no.291
- The agricultural chemical and livestock remedy laws of the state, enacted by Kansas legislators for benefit to the agricultural industry with an explanation of the chemicals included.

PERIODICAL NOTES.

Big government is in your county, too, by John Strohm. Country gentleman, March 1950, p.21, 129-133.

"The federal payroll isn't concentrated in Washington - it flows right to the grassroots, as the farmers in one Illinois county discovered when they counted 178 government-hired farm hands in their midst."

Birdsfoot trefoil and ladino clover for milk production, by J. K. Loosli and R. R. Musgrave. In Farm research, Jan. 1950, p.15.

Harnessed water put to work, by Gladwin Young (USDA Field representative) Nebr. farmer, Feb. 4, 1950, p.7-

The Missouri Basin program will add 1 1/2 million irrigated acres in Nebraska plus flood control, electric power, soil and water conservation.

I & T catalog file, 1950 edition. "The complete product index for the farm equipment industry." 368 p. Dec. 24, 1949. 58.8 W41 1950

This is a new buying and product information service in the form of an annual catalog issued by Implement and tractor. Available for reference or loan.

Lindane - new insecticide, by H. H. Schwardt. In Farm research, Jan. 1950, p. 14.

Nations unite to combat locusts. FAO bulletin, September-October 1949, p.2-3.

"Locusts recognize no frontiers." Includes a brief summary of "Weapons old and new."

Nebraska tests - help or hindrance? Implement and tractor, Feb. 4, 1950, p.42-43, 95-99, 115-117. About tractor testing.

Next summer's rain, by Geo. W. Kable. Electricity on the farm magazine, Feb. 1950, p.7-9, 34.

Facts and figures on irrigation, Arid vs. humid irrigation, Water sources, pumps and power, applying the water, sprinkling systems and pointers for planning.

Seed production of native grasses under cultivation in eastern Kansas, by D. R. Cornelius. Ecological monographs, January 1950, p.1-29.

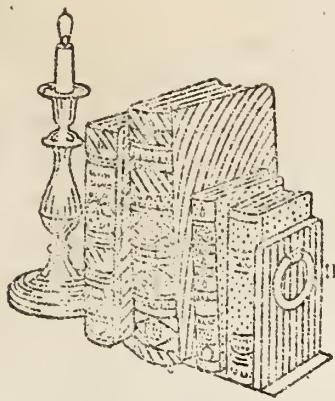
"These studies were undertaken to determine the cultural practices for satisfactory seed production of seven grasses which are native to the Great Plains and adjacent areas and which may be used both for conservation of soil and for forage."

Stubble to the rescue in Gilliam county, by Herb Boddy(SCS) 2 p. Photostat. Oregon farmer, July 21, 1949, p.561, 588. 6 Or32

Your camera in the field, by H. J. Brockley. Wyoming wild life, Dec. 1949, p.14-23, 34. Photos illustrate good and bad techniques.

Range condition: A new approach to the management of natural grazing lands, by F. G. Renner(SCS). Reprint. From Proc. of the Inter-American Conference on Conservation of renewable natural resources, Denver, Colorado, Sept. 7-20, 1948. Pp. 527-534. 1950.

Marie L. Gould, Librarian



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LINCOLN BRANCH LIBRARY WILL BE ABOLISHED MAY 1, 1950.

Library service will continue to U.S. Dept. of Agriculture personnel in Kansas, Montana, Nebraska, North Dakota, South Dakota and Wyoming from the College of Agriculture, Lincoln, Nebraska.

All requests for library service and all publications on loan being returned May 1 and after should be sent to:

College of agriculture Library
Lincoln, Nebraska

NEW BOOKS IN YOUR BRANCH LIBRARY

BLACK HILLS AND THEIR INCREDIBLE CHARACTERS, A CHRONICLE AND A GUIDE, by Robert J. Casey. 383 p. Bobbs-Merrill, 1949. 138 C262

"Black Hills" applies here to a mountainous region partly in northeastern Wyoming, but principally in South Dakota...drained and nearly surrounded by the two main forks of the Cheyenne River. From the folklore and history of South Dakota, the author has fashioned a book of never-flagging interest. The chronicle is traced from the opening of the Black Hills to whites and the rush for gold in 1874 - the rise and fall of boom towns, the change to cow towns, to agricultural towns to towns of the modern era. The amazing characters who made Black Hills history live again in this book. There are also graphic descriptions of the whole area, the Bad Lands, the caves, the lakes, hills and parks - a scenic wonderland.

FIELDBOOK OF NATURAL HISTORY, by E. L. Palmer. 664 p. Whittlesey, 1949. 409 P18

This is the most comprehensive reference book on the whole field of natural history available today. It contains a wealth of material invaluable to scientists, conservationists and laymen alike. Professor Palmer's book presents a thorough study of birds, fish, plants, rocks and minerals, stars, mollusks, reptiles, the animal kingdom - more than 2,000 subjects with a detailed drawing or photograph for every subject. Mr. Palmer has spent a busy life studying and humanizing the diverse isolated branches of natural science into meaningful natural history for the normally curious intelligent person.

FIELD MANUAL OF PLANT ECOLOGY, by Frank C. Gates. 137 p. 1949. 463.8 G22

A professor in Kansas state college has written an excellent manual on plant ecology. (See the review in Journal of wildlife management, Oct. 1949)

HARVESTING TIMBER CROPS, by A. E. Wackerman. 437 p. McGraw, 1949. 99.76 P11

Pt. I is devoted to analyzing the relation of harvesting to forestry.

Pt. II covers the selection of trees to cut and preparation of trees for removal, which describes the felling, bucking, hewing, riving or peeling operations necessary for various products. Pt. III deals with the transportation phases of harvesting which are given much attention because of the large proportion of the total cost involved. Pt. 4 is a discussion of the organization of operations, scaling and measurement of timber products, and cost control and records. A final chapter on regional harvesting practices prepared by seven outstanding men, each an authority in his region.

MINERAL NUTRITION OF PLANTS AND ANIMALS, by F. A. Gilbert. 131 p. Univ. of Oklahoma press, 1949. 395 G372

This is a survey of the most important books and articles dealing with mineral nutrition and the value of minerals to plants and animals. It gives a sketch of the early history of plant nutrition and a classification of elements in nutrition, together with brief discussions of the use of minerals. (Also reviewed in Journal of range management, Oct. 1949, p. 218)

STUDY OF THE ECOLOGY AND ECONOMIC VALUE OF CROP FIELD BORDERS, by Charles A. Dambach. 205 p. 1948. 412.9 D18

This is a useful detailed addition to our knowledge of field borders and related problems. Foresters dealing with farm woodlands and tree planting, wildlife technicians dealing with farms, soil conservationists, entomologists, agricultural specialists in horticulture and farm management will all find it useful.

VEGETABLE GROWING, by James E. Knott. 314 p. 4th ed. rev. 1949. 91.15 K75

The development of labor-saving equipment, the use of new varieties and new methods of weed and insect control are all treated in this revised edition. Emphasizing the fact that certain fundamentals are important in the management of all vegetable crops, nearly half of the text is devoted to growth factors, equipment, seedage, soils fertilizers, weed control, pest control, garden layout and cropping systems. In the second half, the various vegetables are treated individually, with generous space given to each.

WATERFOWL MANAGEMENT ON SMALL AREAS. Pt. I. Ponds and marshes for waterfowl, by C. E. Addy. Pt. II. Methods of pond and lake construction, by L. G. MacNamara. 80 p. Wildlife management institute, 1948. 413 W64

This booklet furnishes accurate, dependable information on practical methods of habitat improvement and restoration to those who already are aware of the need for such work. Many areas of marshland drained to provide land for agriculture, either never were or are no longer useful for farming. Some of these areas can be restored with a relatively small expenditure of funds and effort.

PERIODICAL NOTES.

The Administration's price support recommendations, by Charles F. Brannan.

Better farming methods, April 1950, p. 24, 52.

The influences of forest lands upon the water resources in the Missouri Basin, by J. K. Brandeberry. Journal of forestry, March 1950, p. 197-200.

Range resurrection in the Horse Heaven, by John Chohlis (SCS) National wool grower, March 1950, p. 18-19.

Pellets, economy answer to feeding problems, by Roy R. Moore. Kansas farmer March 4, 1950, p. 29, 33. Chickens, hogs and cattle thrive on tasty cubes - Feed manufacturers go to great expense to make them, you will find.

Marie L. Gould, Librarian.

